SAFETY PRECAUTION

CAUTION:

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to "dangerous voltage" and to prevent from a risk of electric shock.

Warning:
To reduce the risk of electric shock, don't open the cabinet. Refer servicing to qualified personnel only.

The exclamation point within an equilateral triangle is intended to alert the user to important operating and maintenance (servicing).

WARNING: Do not use this STB where contact with or immersion in water is a possibility. Do not use near flower vase, washbowls, kitchen sinks, laundry tubs, swimming pools, etc.

WARNING: Do not put the candle or lamp stand on the cabinet; otherwise, there is the danger of fire.

WARNING: The unit should be connected to a power supply only of the type described in the operating instructions or as marked on the unit. If you are not sure of the type of power supply (for example, 120 or 230 V) to your home, consult your local dealer or local power company.

WARNING: This product install diodes. Do not open the cabinet or touch any parts in the inner mechanism. Consult your local dealer for technical service if the opening is required.

Note: To ensure proper use of this product, please read this User manual carefully and retain for further reference.

Note: This product install diodes. Do not open the cabinet to avoid the unit direct exposure to radiation.

Unit Cleaning: After the unit power is turned off, you can clean the cabinet, panel and remote control with a soft cloth lightly moistened with a mild detergent solution.

Attachments: Never add any attachments and/or equipment without the manufacturer consent; as such additions may result in the risk of fire, electric shock, or other personal injury.

Locating: Slots and openings in the cabinet are provided for ventilation to protect it from overheating. Do not block these openings or allow them to be blocked by placing the STB on a bed, sofa, or other similar surface, nor should it be placed over a radiator or heat register.

Power-Cord Protection: Place the power-supply cord out of the way, where it will not be walked on. Please take special attentions to cords at plugs, convenience receptacles, and the point where they exit from the unit.

Object and Liquid Entry: Never put objects of any kind into this STB through openings, as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill any liquid on the STB.

Note: Moisture may be formed on the lens In the following conditions:

- when the unit is suddenly moved from a cold environment or an air-condition room to a warm place.
- immediately after a heater has been turned on.
- in a steamy or very humid room.

If the moisture forms inside the unit, it may not operate properly. To correct this problem, turn on the power and wait about two hours for the moisture to evaporate.

Parts Replacement: When the unit parts need to be replaced, user should make sure the service technician use the replacement parts specified by the manufacturer or having the same characteristics as the original part. Unauthorized replacement may put the unit In the risk of fire, electric shock or other hazards.

Safety Check: After all the maintenances and repairs are done, user is required to request the service technician to conduct the overall safety check to ensure the machine is In the proper condition.

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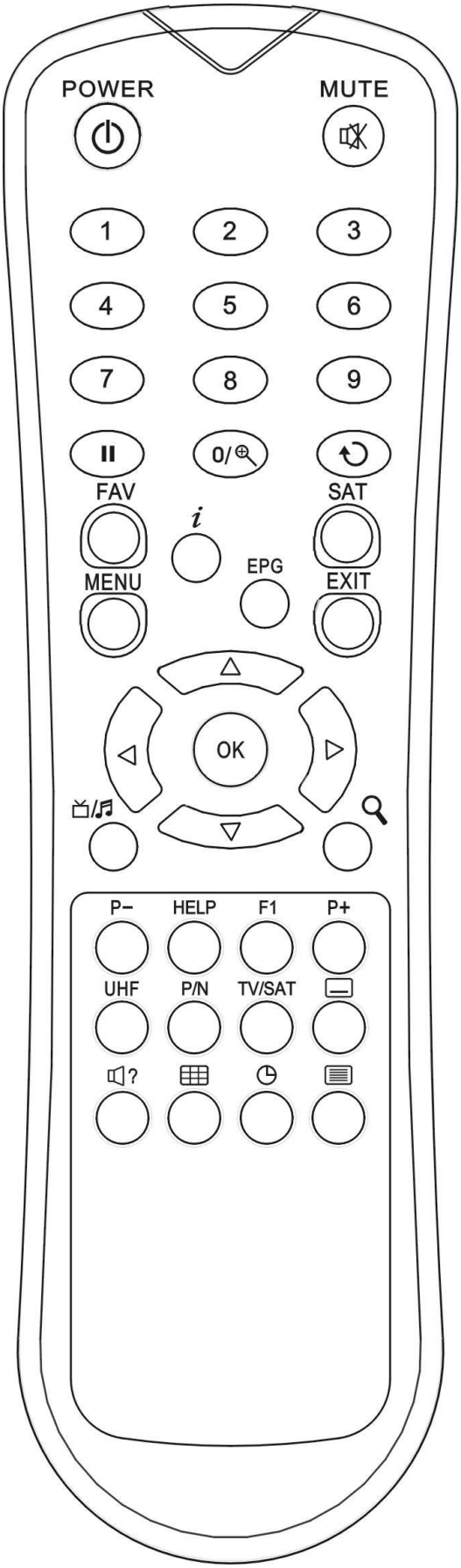
1. Remote Control



You can power on/off the receiver, operate on screen menu, and use a variety of hot key function.

POWER
To switch your receiver on from standby or standby to on.

MUTE
Used to enable or disable the audio

NUMERIC KEYS
Used to select channels or enter programming parameters

(TV / RADIO)
Receiver switches between TV and Radio mode.

(ZOOM)
Press key select zoom times, from X1 to X16.

(PREVIOUS)
Return to the previous menu or status.

TV/SAT
Receiver switches between TV and Satellite receive mode.

(INFORMATION)
To display channel status or various program information of current service.

EPG(Electronic Program Guide)
Display the Programs guide on screen when available.

MENU
Displays the Main Menu on the screen, or return to the previous menu or status.

EXIT
Cancel the user selection and return to the viewing mode from a menu.

OK
To select menu option, or to updated on entry.

<,> KEY
To adjust volume level, or to move cursor left or right in the menu.

^,v KEY
To change channels, or to move cursor up or down in the menu.

P+/P-
To move up the cursor to the next or previous page in the menu or channel list.

(AUDIO) (RED KEY)
Audio channels setup, to select audio mode; Left, Right , Stereo, Mono.

Teletext(BLUE KEY)
Shows teletext information of the current channel supports.

Subtitle(WHITE KEY)
Subtitle Display.

(GREEN KEY)
Multi channels display. You can choice the desire channel use <,> ^,v and press ok confirm.

UHF
In case your TV is connected through RF Modulator (UHF), select output channel number between CH21 and CH69 with up and down key.

(FIND)
Use to prompt find channels sort by character.

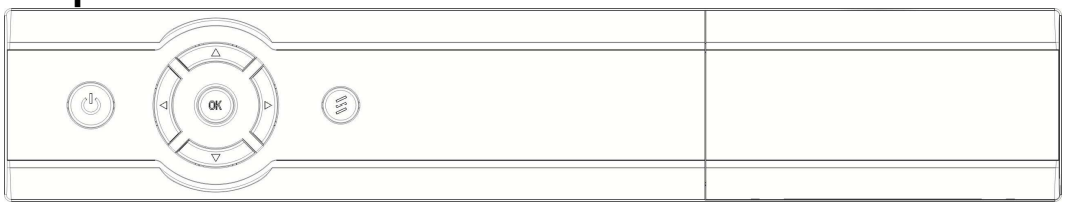
TIMER
Press timer key you can setup up the Standby time.

P/N
Press P/N button to switch the display mode among "AUTO", "PAL", "PAL-M", "PAL-N", "NTSC", "HDMI 576i50", "HDMI 480i60", "HDMI 576p50" and "HDMI 480p60".

SAT
Display satellite list.

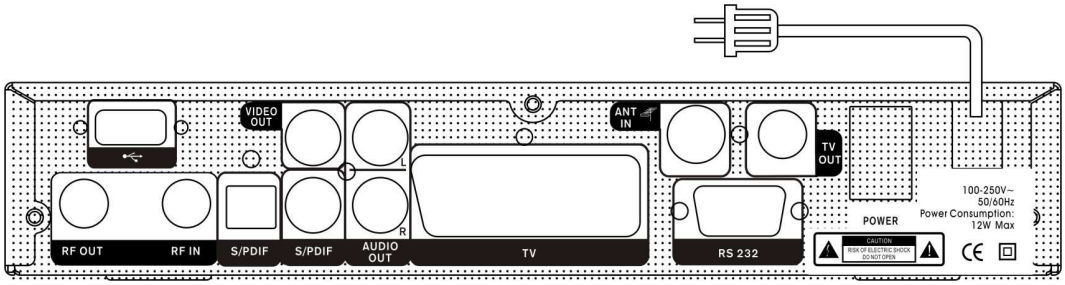
FAV(FAVORITE)
To set receiver to the favorite server mode, display the favorite channel.

2. Front panel



STANDBY/ON: To switch the receiver power on/stand by
MENUKEY： To enter into the main menu.
VOL<,> KEY: To adjust volume level, or to move cursor left or right in the menu.
CH+,- or**^, v KEY :** To change channels, or to move cursor up or down in the menu
OK KEY: To see TV/Radio channel list, or to confirm in the menu.
Remote Sensor: Detects infrared signal from remote control unit
Display(4-Digit/7-Segment): Indicates operating status of receiver(optional)
Signal Led: When receiving signal is strong, the signal led is lighted.

3.Rear Panel

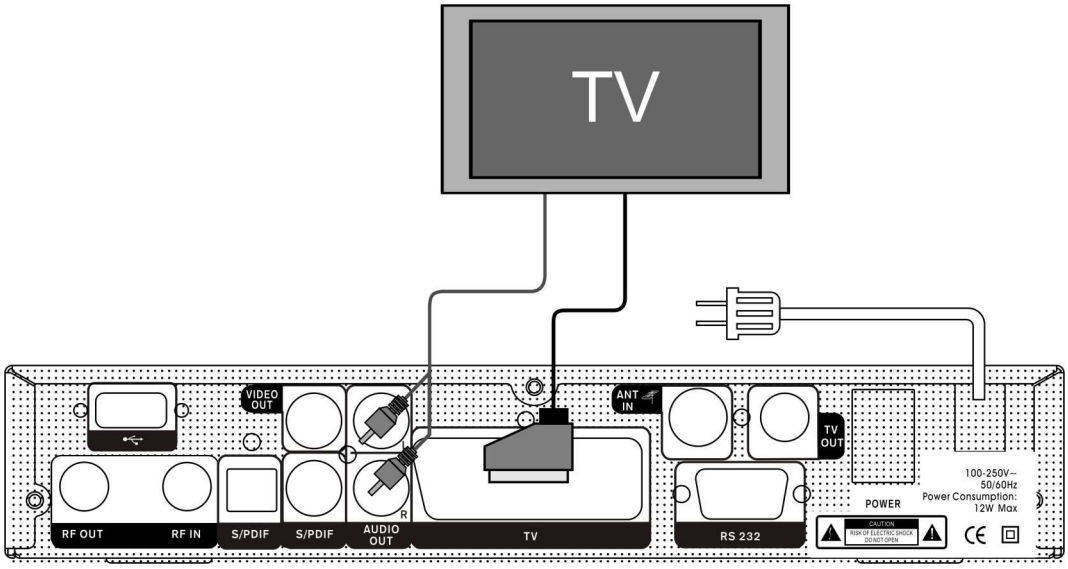


Please refer to the diagram above for all possible connections of your receiver
Do not connect the unit to the mains socket until all other connections have been made and checked.

POWER ON/OFF SWITCH: To switch ON/OFF the receiver power supply.
RF OUT: This enables the connection of another receiver.
RF IN: This port is to connect the coaxial cable from Antenua Socket.
ANT IN: Connect to Analog TV antenna.
TV OUT : This is used to connect your TV through RF cable.
TV : This is used to connect your TV through SCART cable.
VIDEO : This RCA connector is used to connect any external video.
0/12V 50mA: This is used to Connect 12V to an external 0V/12V switch.
AUDIO R/L : These RCA connectors are used to connect any external audio amp or system.
RS 232C SERIAL PORT: This is used to connect your receiver to a computer through a serial cable.
USB: Connect to USB disk, you can view *.JPG pictures or upgrade software via this port.

4.Connecting Your System

There are three ways to connect the receiver to your existing TV system. We recommend using one of the following cases for the best result:
1. Connect one end of SCART cable to the TV (SCART) jack on the back of the receiver and the other end to a SCART jack on your TV.
2. Connect one end of RCA cable to the RCA jack on the back of the receiver and the other end to a RCA jack on your TV.
3. If your TV doesn't have a RCA jack, connect one end of RF cable to the TV on the back of the receiver and the other end to a RF input jack on your TV.



Finally connect the coaxial cable from the LNB to the LNB IN jack on the receiver.

_ ***With External Audio / Hi-Fi System***

To connect any external Audio Hi-Fi system, the receiver has been provided with two RCA connectors at the back of the receiver marked with Audio L and R.

Connect an RCA stereo cable from the AUDIO L, R jacks on the back of the receiver to the LINE, AUX, SPARE OR EXTRA input jacks on your Hi-Fi System.

5.Basic Operations

5.1 Turn on STB

First, press the [Device's Main Power] to turn on the unit. When the STB is first used, there will play the first channel from the default Channel List. If the STB is not first used, STB will play the same channel as last time before turning off.

? **Frequently Asked Question**

Q: The power of my STB has been turned on and not in Standby mode, but the TV screen showed nothing:

A: Make sure the TV set has been set to the correct video input (not the TV channels). For example, if you have connected the unit with the Video1 input of the TV set, the TV set has to be switched to Video1.

Q: The power of my STB has been turn on and not in Standby mode, but the TV screen showed nothing except "one ball with No Signal image".

A: That means the channel, which you select, is no signal. It could be several causes:

1. The channel which you select is not in your allocate satellite. The simply solution is to change channel.
2. The signal of current TV channel is too weak. You can try to change channel to other strong signal channels. If the problems still exist, please consult your local dealer or other professionals for technical service.
3. You use the Dual LNB, and you need Modify LNB Type

5.2 Power

1. Press [Power] Key can enter the Standby state
2. In Standby state, press [Power] Key again can call back the unit and go on play the previous channel
3. User can also disconnect the device's main power to end the Standby state.

5.3 Channel Up/Channel Down

In full screen, press [CH+/CH-] to change channel.

5.4 Volume Up/Volume Down-

In full screen, press [VOL+/VOL-] to adjust volume.

5.5 Number

In full screen, use number key and press [OK] on the Remote Control Unit to change channel.

5.6 Mute

1. Press [MUTE] key to mute the sound and the screen will show up mute OSD.
2. Press [MUTE] key again to restore sound.

5.7 Pause

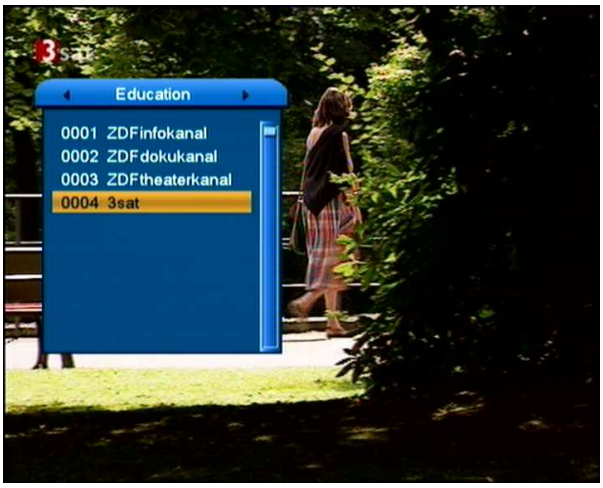
1. In playing mode, press [Pause] key, the picture will be paused, but the sound of the channel will still continues.
2. Press [PAUSE] key again, the screen's picture will skip over to the current playing picture, and the sound of the channel will corresponding playing.

5.8 Recall

Press [RETURN] key will directly switch to the previous channel that you played before current channel.

5.9 Favorite

1 In full screen, press [FAV] key, it will display a window of “Favorite Group” on the left of the screen, which you can watch like below.



2 You can press [Volume Up/Volume Down] keys to select different “Favorite Group”.

Pressing [Page Up/Page Down] keys can implement the “Page up/Page down” function

3 Press [Exit] key to exit the current window.

? **Frequently Asked Question**

Q: Why the screen displays “No Favorite Channel”, after pressing [Favorite] key?

A: It is because that you haven’t set any channels as “favorite channel”. Please refer to Favorite

.

5.10 Audio

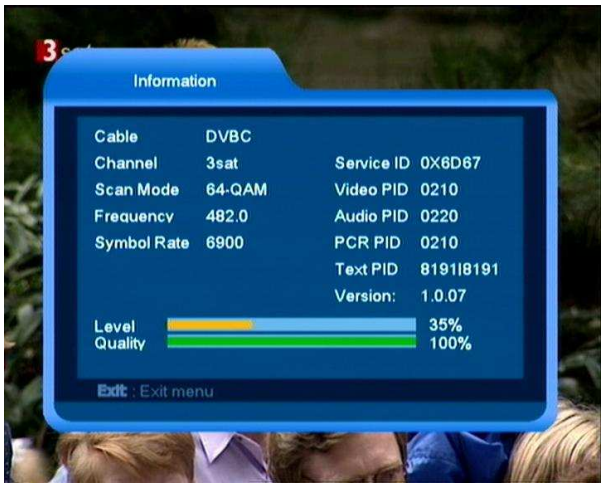
1 In full screen, press [AUDIO] key can open the “Audio” window on the screen.

2 You can modify the audio track by press [Channel Up / Channel Down] key and modify the audio mode by press [Volume Up / Volume Down] key.

3 Mode: Left/Right/Stereo/Mono

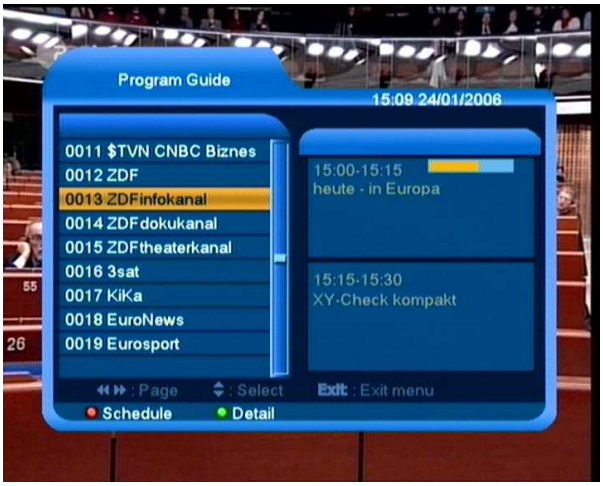
5.11 Information

In full screen, press [INFO] key can open information screen, in the window shows the parameters of current channel.

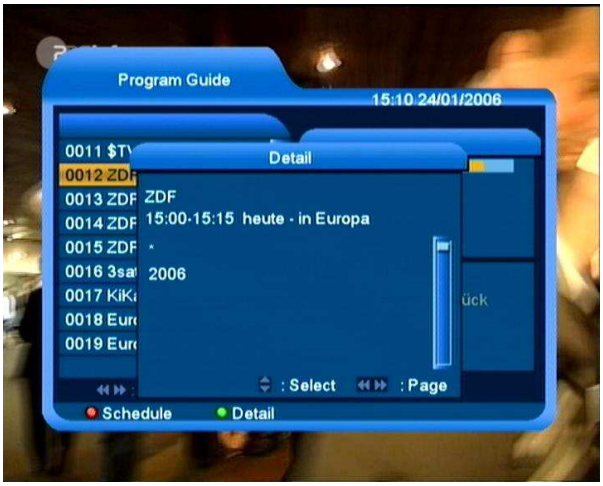


5.12 EPG

1 The STB has an Electronic Program Guide (EPG) to help you navigate channels through all the possible viewing options. The EPG supplies information such as channel listings and starting and ending times for all available channels.
Press [EPG] key to display Program Guide.



2 Press [GREEN] key in each item can see more detail information.



3 Press [Red] key in EPG menu can display “Schedule” Menu. In this menu, you can press Left/Right] to select “back/current time/last program or –0:30/next program or +0:30/-2:00/+2:00/current day/next day”. Press [Up/Down] key to select “current event/next event ”.

[GREEN] key to display the details information.

4 Press [Green] key in Schedule menu can open timer menu. User can save a timer as he want.

5 In EPG menu, press [Exit] to close EPG screen.

5.13 TV/RADIO

In TV mode, pressing [TV/RADIO] key can switch to Radio mode. In Radio mode, press [TV/RADIO] key to switch to TV mode.

5.14 Channel List

1 In full screen, press [OK] key or [CH.LIST] can enter “Channel List”.

2 Press [Left/Right] key to change satellite group.

3 Press [Up/Down] key to move highlight and press [OK] key to play the highlighted channel.

4 Press [Page Up/Down] key to page up and page down.

5 Press [Exit] key to exit the channel list.

5.15 Sleep

1 This function can set sleep timer. When you set a sleep timer and the time arrive, the system will enter to standby automatically.

2 Pressing [SLEEP] key, it will switch the mode between Sleep Timer Off /10/30/60/90/120 minutes.

5.16 Page Up/Page Down

1 In Channel list, press [Page+/Page-] key can page up and page down the channel list.

5.17 TEXT

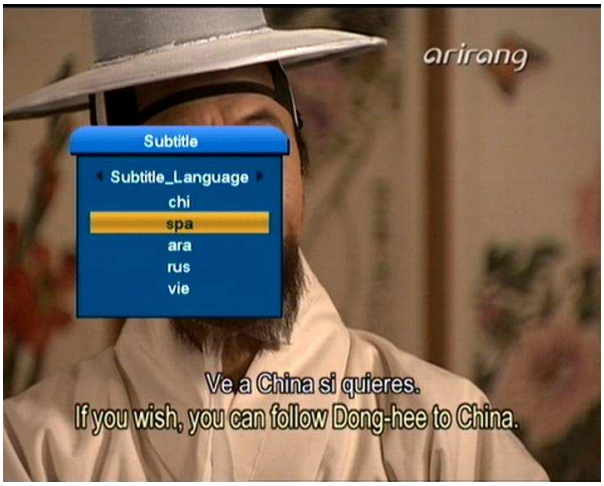
1 Press [TEXT] key in full screen, you can open teletext page on the channel which has teletext information.

2 If the channel has no teletext information, it will show “No Teletext Data” on the screen.

100 100 ZDFtext Di 24.01.06 16:09:55
Mit dem Zweiten sieht man besser
Irak: Zwei Deutsche entführt 120
Daimler streicht 6000 Stellen ... 123
Fast jeder dritte Baum krank 125
TÜV: Viele Autos mit Mängeln 134
DFB-Pokal: Bayern gegen Mainz ... 204
Schachner ist neuer Löwen-Coach . 206
Tennis: Baghdatis im Halbfinale . 209
16.00 heute - in Europa 316
16.15 Julia - Wege zum Glück .. 317
Inhalt (A-Z) 101
Service
Nachrichten 112
Flughafendaten 465
Telefontarif 587
Gerichtsurteile 525
Promi-News . 801
Trendbarometer 599

5.18 Subtitle

1 Press [SUBTITLE] key in full screen, you can switch subtitle on or off.



5.19 Menu

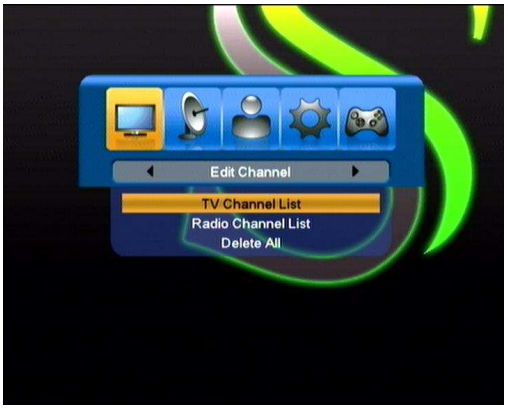
1 Press [MENU] key can open the menu, exit the current menu to last menu or close the window.

5.20 Exit

1 Press [EXIT] key can exit the current menu to last menu or close the window.

6.Edit Channel

When you press[Menu]key to enter menu, there will display the picture like below:



1 Press[Left/Right]key to select menu pages among Edit Channel, Installation, System Setup, Tools and Game.

2 Press[OK]key to enter the selected item.

In “Edit Channel” menu:

1 Press[Channel Up/Channel Down]key to select menu items among TV Channel List, Radio Channel List and Delete All.

2 Press[OK]key to enter the selected item.

6.1 TV Channel Manager

When you enter to “TV Channel Manager” menu, there will display the screen like below.

1 You can move highlight by press[Channel Up/Channel Down]key to preview the current highlighted program in the right side preview window.

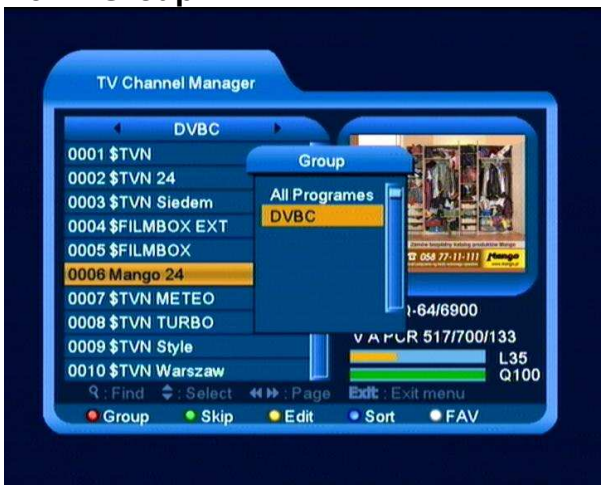
2 You can press[Page Up/Page Down]key to implement the Page Up/Page Down function.

3 You can use [Volume Up/Volume Down]key to switch “Program Group”.

4 You can press[Menu]or[Exit]keys to enter full screen playing mode.

5 Press color key can implement the corresponding function in “Channel Manager”.

6.1.1Group



1 Press [Red] key can open the “Group” window like above

2 You can press [Up/Dwon] key to move highlight and press [OK] key to select group.

3 Press [Menu] key to close “Group” list.

6.1.2Skip

1 In “TV Channel Manager” menu, press [Green] key can make a “skip mark” in the right side of the highlighted channel.

2 After save and exit “TV Channel Manager” menu, the channel will be skip while user change channel in the full screen.

6.1.3Edit

Press [Yellow] key, it will show input password dialog. If the password is correct, it will open the window like below. The default password is oooo.

6.1.3.1 Delete

1 In this menu, press [Red] key can make a delete mark in the right side of the highlighted channel.

2 Press [Red] key again can cancel the deleted mark on the current channel.

3 When exit the menu, it will ask you whether to save the change. Select “Yes” to save the change.

6.1.3.2 Create

If you press[Green] key, it will display create window like below:

1 In “TP Index” item, you can press[Volume Up/Volume Down]key can switch TP number, and the next three items will show up corresponding parameters.

2 In “Name” item, press[OK]key can display the keypad, and you can edit new name here for selected channel.

3 In “Video PID”, “Audio PID” and “PCR PID” items, you can use the number key directly to modify corresponding parameters of the items.

4 After modification, move highlight to “Save” item and press[OK]key, can save parameter and exit “Edit” mode. Otherwise, move highlight to [Exit]item and press[OK]key can exit “Edit” mode and won’t save any modification.

6.1.3.3 Edit

If you press[Yellow] key, it will show the window like below:

TV Channel Edit
Edit Channel
Rename Mango 24_
A B C D E F G H I J
K L M N O P Q R S T
U V W X Y Z ← OK
0008 $TVN TURBO
0009 $TVN Style
0010 $TVN Warszaw
V A PCR 517/700/133
L35
Q100
: Select : Page Exit: Exit menu
Delete Create Edit Lock Move

1 On the “Name” item, press[OK]key can display keypad to edit the name of selected channel.

2 On the “Video PID”, “Audio PID” and “PCR PID” items, you can input numerals to modify the according item’s value.

3 After modification, move highlight to “Save” item and press[OK]key can save the modified value and exit “Edit” mode. Otherwise, move highlight to [Exit]item and press[OK]key can exit “Edit” mode and won’t save any modification.

6.1.3.4 Lock

Press [Blue] key can make a “lock mark” in the right side of the highlighted channel. After save and exit the menu, STB will request you to input the password while you want to watch the locked channel.

6.1.3.5 Move

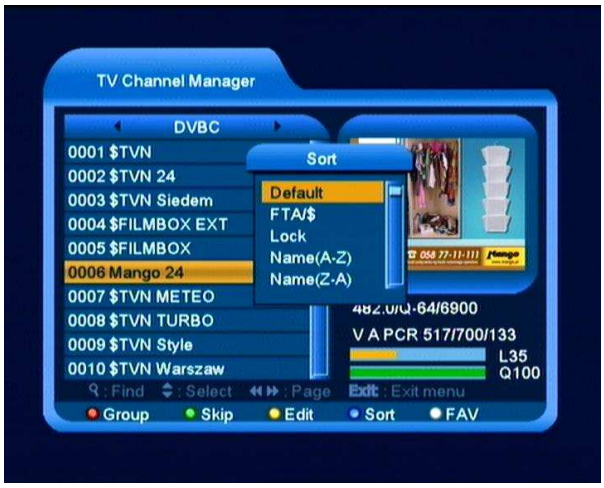
1 In this menu, press [White] key can make a moving mark in the right side of the highlighted channel.

2 Press [Up/Down] or input numerals key to move the channel

3 Press [OK] key to put the channel to the target place.

4 When exit the menu, it will ask you whether to save the change. Select “Yes” to save the change.

6.1.4Sort



1 Press [Blue] key can open the “Sort” window like above. There are five kinds of sorting ways. You can press[Channel Up/Channel Down]key to move highlight and press[OK]key to confirm you selection

2 The five kinds of sorting way are:

- ✧ Default: Sorting by scanning result.
- ✧ Name (A-Z): Sorting in Alphabetical Order, ignore “$” symbol.
- ✧ Name (Z-A): Sorting in Alphabetical Order, ignore “$” symbol.
- ✧ FTA: Sort channel by free and scramble sequence. Free channel will at front of channel list and scramble channel will at reat of channel list
- ✧ Lock: Accumulated all locked channels and list in the last of TV Channel List.

6.1.5Favorite

1 Press [White]key can open the “Favorite” window like above

2 You can move highlight between 8 favorite groups by press[Channel Up/Channel Down]key and press[OK]key to make a favorite mark in the right side of the selected Favorite group.

3 Press[OK]key on the marked Favorite group can cancel the exist favorite mark.

4 After marking, press[Exit]key can back to “TV Channel List” , there will show a favorite mark beside the marked channel.

6.1.6Find

1 Press[Find] key can open the “Find” window like above. You can press[Channel Up/Channel Down/Volume Up/Volume Down]key to move highlight and press[OK]key to input the selected symbol or letter into the dialogue.

2 After input each character, the program list on the left will search the channel according your input, and list the matched channel.

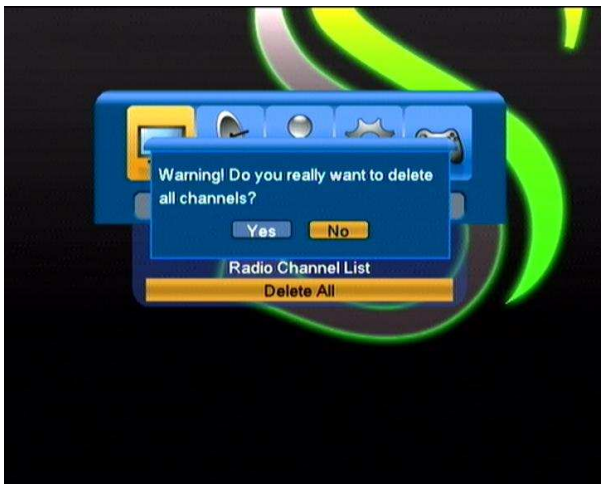
3 Move highlight to “OK” and press [OK] key can close “Find” window and you can select channel from the channels list directly.

6.2 Radio Channel List

Basically, the operation of “Radio Channel Manager” is same as “TV Channel Manager”, but there is one point different: In “Radio Channel Manager” mode, there is no video information, so it will always display Radio’s logo in the right side preview window.

6.3 Delete All

When you press [OK] key in the “Delete All Channel” item, it will pop a dialogue ask you whether confirm to delete all channel. If you select “OK”, all the channel will be deleted.



***?* Frequently Asked Question**

Q: IF I incautiously delete all channels, what should I do?

A: there are two ways to restore:

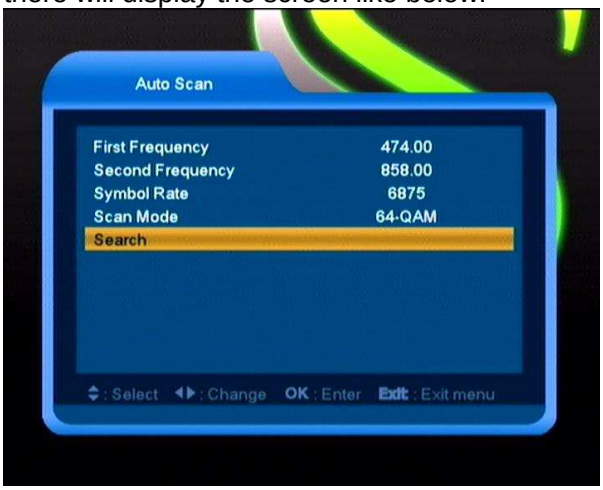
- ✧ To re-search all channels in "Installation" function.
- ✧ Use "Default Value" function to restore all channels in "Tools" function.

7 Installation

When you enter to “Installation” menu, there will display the screen like below:

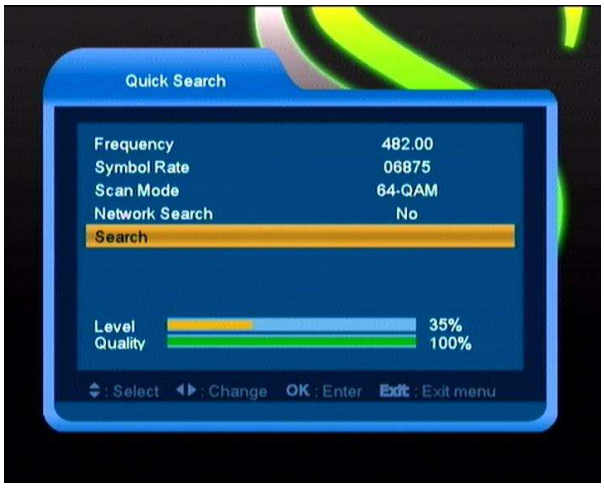
7.1 Auto Search

Press OK button to enter the Auto scan menu, there will display the screen like below:



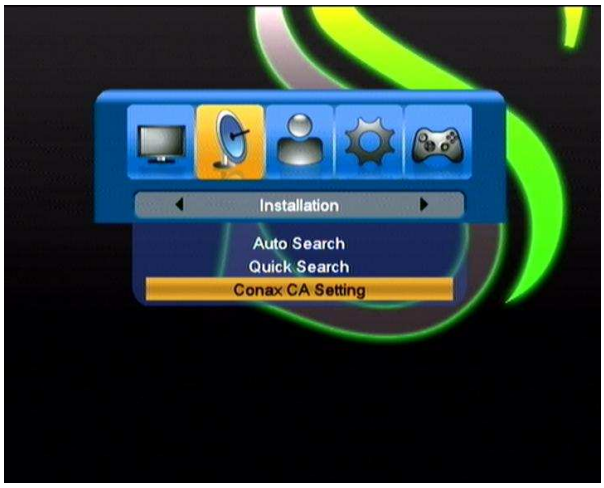
1, Press [Up/Down] key to move highlight.
2, Press Numeric key of the RCU to input the First Frequency, Second Frequency and Symbol Rate.
3, Press [Left/Right] key to select Scan Mode.
4, Move highlight to [Search] button and press [OK] key to begin to auto scan.

7.2 Quick Search

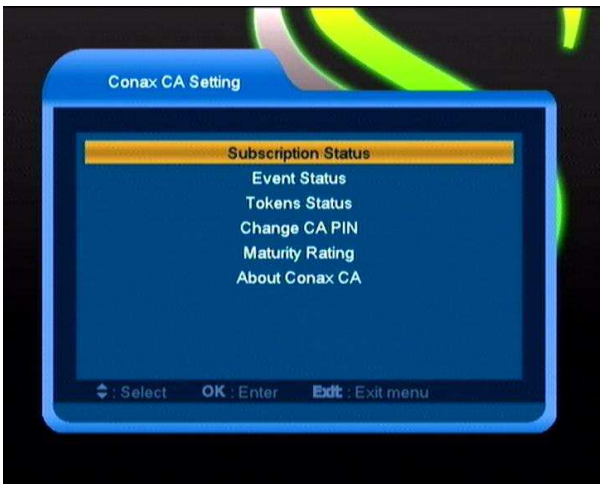


In this menu, you can Search channels manually by input some parameters.

7.3 Conax CA Setting



We provide one CA slot for user to use. Receiver has build in smart card module with CONAX system. By using cards in this system provided by operators, it is possible to watch many scrambled channels coded in this system. This menu shows detailed information about cord inserted into cord reader module. It allows inserted according to help messages visible on the bottom of the screen.



Note:

All information showed in this menu and submenu are coming from inserted card. In case if anything is wrong, it could be card problem. After inserting the card correctly at any time, a message-box will show on the screen with message about detecting the card, in "card info" menu all available information will be displayed.

8. System Setup

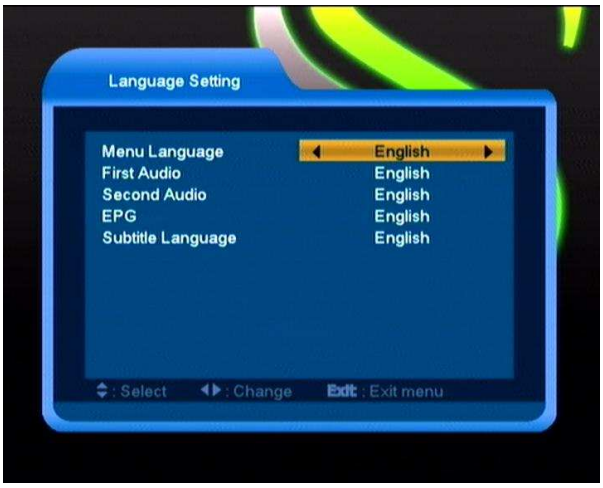
When you enter to “System Setup” menu, you will see the screen like below:

In “System Setup” menu:

1. Press[Channel Up/Channel Down]key to select menu items among Language, TV System, Local Time setting, Timer Setting, Channel Play Type, Startup Channel OSD Setting, Parental Lock.
2. Press[OK]key to enter the selected item.

8.1 Language

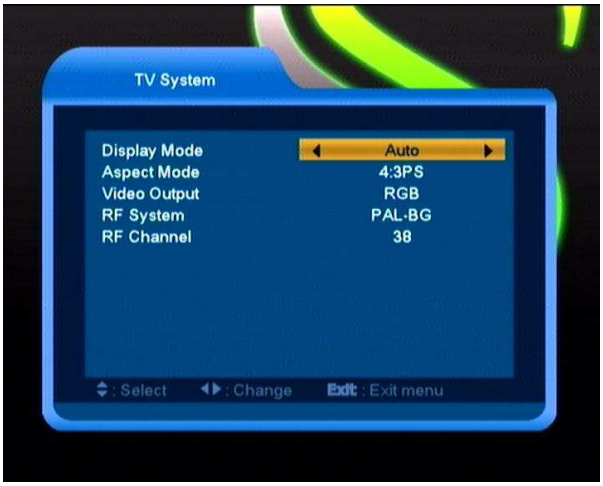
When you enter to “Language” menu, you will see the screen like below:



1. Language: press [Volume Up/ Volume Down] key to select languages, the selections of languages include: English, French, German, Portuguese, Turkish, Spanish, Polish, Russian, Arabic, Ukraine, Persian, Romanian, Hungarian, Kurdish and Italian.
2. First Audio: Some channels have more than one audio language for choosing; by this function you can set the first audio for this channel. If the playing channel has the same audio as the “First Audio” you set, system will play this audio language as default. If the channel hasn’t the suited audio language, then the system will compare automatically with second audio language. The selections of audio languages include: English, French, German, Russian, Arabic, Portuguese, Turkish, Spanish, Polish and Italian.
3. Second Audio: If the channel has no correspond audio with “First Audio” but have corresponded audio with “Second Audio”, system will play the second audio language as default. If no audio language corresponds with the “Second Audio”, then the default language of current channel will be played automatically. The selections of audio languages include: English, French, German, Russian, Arabic, Portuguese, Turkish, Spanish, Polish and Italian.
4. EPG: Press [Left/Right] key can select EPG language.
5. Subtitle Language: Press [Left/Right] key can select subtitle language.
6. Press [Exit]key to draw back from “Language” menu.

8.2 TV System

When you enter to “TV System” menu, you will see the screen like below:



1 Display Mode is use for switching the screen-displaying mode. Now we provide below options: Auto / PAL-M / PAL-N / NTSC . You can press [Volume Up/ Volume Down] key to select each mode circularly.

2 Aspect Mode is used for switching the screen aspect ratio mode. Now we provide below options: 4:3 PS / 4:3 LB / 16:9. You can press [Volume Up/ Volume Down] key to select each mode circularly.

3 Video Output: Press [Left/Right] to select CVBS, RGB or YUV.

4 RF System is use for switching RF format. Now we provide below options: PAL-BG / PAL-I / PAL-DK / NTSC.

5 RF Channel is use for setting TV frequency range, please refer to the table as below:

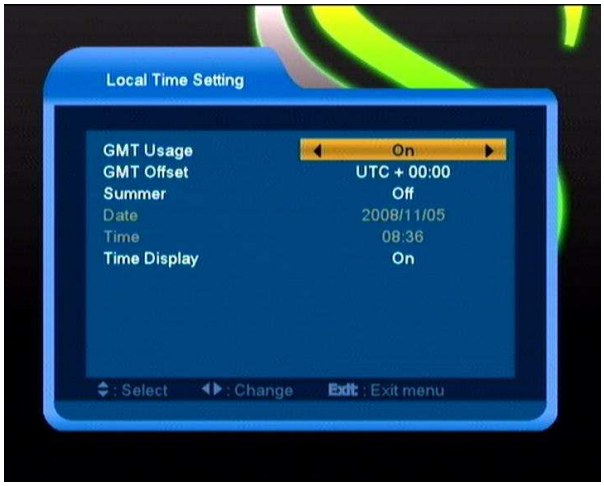
System	Range
PAL-BG	21~69(Italian; default value) 28~68(Australian)
PAL-I	21~69
PAL-D/K	13~57
NTSC	14~69

RF function can receive satellite TV channel from receiver and add new channel to your TV channel. After setting, while you want to see the satellite channels, you can search the channel in TV mode and needn't switch video to AV mode.

6 Press [Exit] key to draw back from "TV System" menu.

8.3 Local Time Setting

When you enter to "Local Time Setting" menu, you will see the screen like below:



✧ GMT Usage: This item is use for open the usage of GMT. You can press [Volume Up / Volume Down] keys to switch "On/Off".

✧ The "GMT Offset" item is valid only when the setting of "GMT Usage" is "Yes". You can press [Volume Up / Volume Down] keys to switch "GMT Offset" value, and the range is "-12:00 ~ +12:00", increase each half hour progressively.

✧ You can press [Left/Right] to control Summer time on or off.

✧ "Date" and "Time" items are valid only when the setting of "GMT Usage" is "No". You can press [Volume Up / Volume Down] keys to moving highlight and use number keys to input directly.

If the current channel provides the correct time information, you will see the current time while you enter "Time" menu. If the channel doesn't provide time information, you have to input the date and time information manually.

✧ Time Display can control time display on or off when full screen play.

✧ Press [Exit]key to draw back from “Local Time Setting” menu.

8.4 Timer

Press [enter] key to open timer menu.

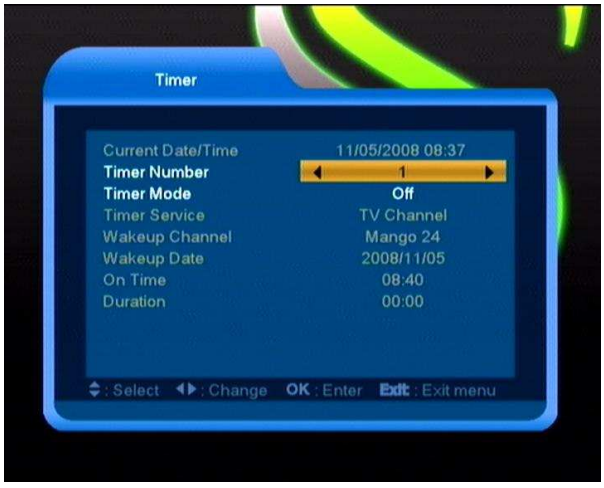
✧ Current time information will display on the first column; if the current time is incorrect, please modify the time information in “Time” item.

✧ Timer Number: You can press [Volume Up / Volume Down] keys to set Timer number, and there are 8 timers in total.

✧ Timer Mode: There are several modes for Timer to setting, include Off, Once, Daily, Weekly, Monthly and Yearly.

✧ Timer Service: There are three options for “Timer Service”, include “TV Channel”, “Radio Channel” (timer setting for channel change and Wakeup/Sleep) and Message (reminding message).

✧ When you select “Channel” (timer setting for channel change and Wakeup/Sleep) option in “Timer Service”, the screen will display like below:



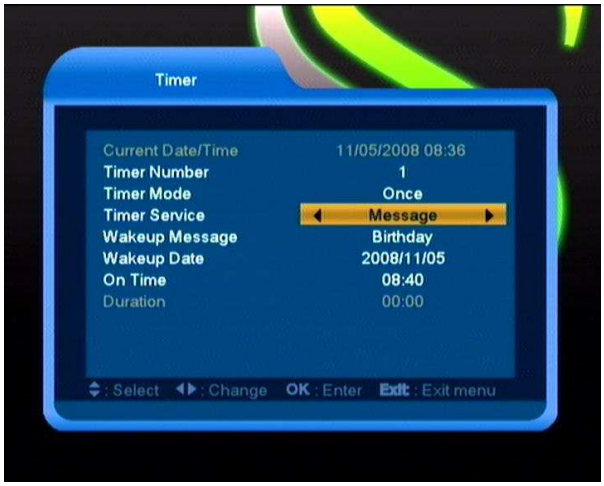
➢ Wakeup Channel: press [OK] key to enter channel list and select channel that you want to setting.

➢ Wakeup Date: use number keys to input your wakeup date.

➢ On Time: use number keys to input your wakeup time. Once the time’s up, no matter what the system is in standby mode or in playing mode, the system will automatically switch to the channel you want and start to play.

➢ Duration: After you set a time for “Duration” item, once the time’s up, the system will automatically switch to standby mode. If you want not work this function, set the duration is 00:00.

✧ When you select “Message” (reminding message) option in “Timer Service”, the screen will display like below:



➢ Wakeup Message: press [Volume Up / Volume Down] key to select reminding message as Birthday, Anniversary and General.

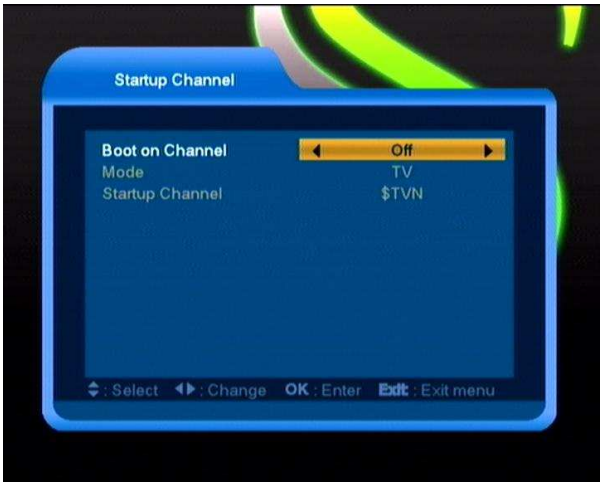
➢ Wakeup Date, you can use number key to input your wakeup date.

➢ On Time: use number keys to input your wakeup time. Once the time’s up, no matter what the system is in standby mode or in playing mode, the system will automatically pop a reminding message.

- The message will always display on the screen, you can press [Exit] key to close it.
- Press [Exit]key to exit the current menu.

8.5 Startup Channel

Press [OK] key to enter “Startup Channel” menu, and you will see the screen like below:



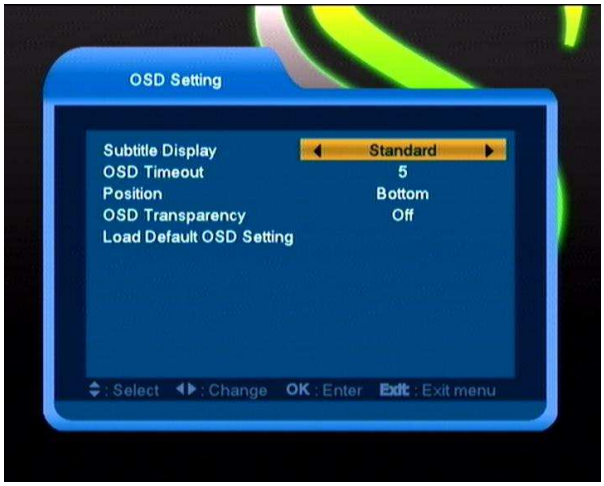
- If the setting of “Boot on Channel” is “On”, it means the following two items can be work. If the setting is “Off”, it means the “Boot on Channel” function can’t work.
- In the “Mode” item, you can set the “Startup Channel” as “TV channel” mode or “Radio channel” mode.
- In “Startup Channel” menu, you can press [OK] key to open the channel list, and select the channel that you want it to startup, press [OK] key again to confirm.

8.6 Channel Play type

1. Press [OK] key to enter “Channel Play Type” menu, and you can select the “playing channels” as “Free”, “Scrambled” or “All”.
2. For Example: If you select “Free”, in full screen play, all scrambled channels will be skipped when you change channels by use [Channel up/Channel Down] key.
3. Press [Exit] to draw back from “Channel Setup” menu.

8.7 OSD Setting

When you input to “OSD Setting” menu, you will see a screen like below:



1. Subtitle Display: You can press [Volume Up/Volume Down] key to select “On” or “Off”. If the current channel has subtitle information, it will be showed up while this function is

"On". If this function is "Off", there won't show up subtitle information even if the current channel has subtitle information.

2 OSD Timeout: When you switch channels in full screen, there will show up some information about current channel on the lower of the screen. And regarding to the duration of these information show up on the screen, you can press [Volume Up/Volume Down] key to set the time. The range of the duration is "1 second ~ 10seconds".

3 OSD Position: control display position of the info bar in full screen mode. You can choose "bottom" or "top".

4 OSD Transparency: Besides the setting of "OSD Menu Style", you also can set the transparency of OSD. You can press [Volume Up/Volume Down] key to select the values. There are 5 levels of transparency, 10%, 20%, 30%, and 40% and "NO" (means no transparency function).

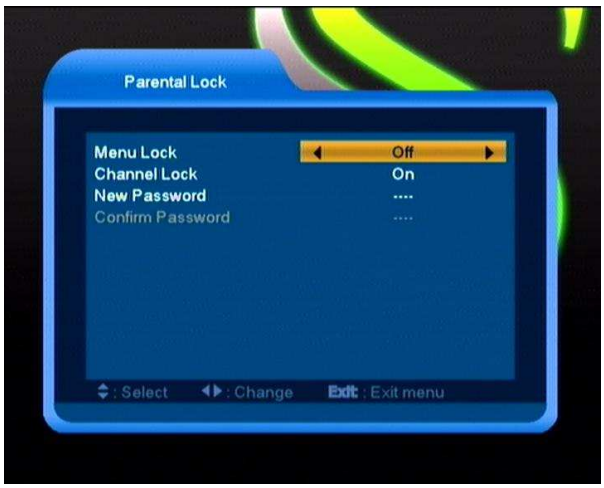
5 Load OSD Setting Default: If you are not satisfy with your setting, you can move highlight to this item and press [OK] key to reset parameters as default value.

6 Press [Exit] key to draw back from the "OSD Setting" menu.

8.8 Parental Lock

You can set a password for anyone who wishes to operate in the "Installation" menu. And you can also set the password for the lock channels. (How to set the lock channel please refer to LOCK) Here will show you how to setting and how to revising the password.

1 In "Parental Lock" function, press [OK] key, there will pop an dialogue for you to input the password. When you input the correct password, you will see a screen like below:



2 Menu Lock determining that when user wish to enter "Installation" menu, whether have to input Password or not. If the setting of "Menu Lock" is "Yes" which means user have to key in password, set "No" means unlock.

3 Channel Lock determining that when user wish to play the lock channels, whether have to input the password or not. If the setting is "Yes", play the channels with lock mark will show up a dialogue on the screen and ask for the password. If the setting of "Channel Lock "is "No", the Lock function will invalid.

4 New Password is used for revising password; you can input the new password in this item by using number keys directly. After you filled in 4 digital numbers, the highlight will auto skip to Confirm Password and ask you to input the new password again. If the password is correct, the screen will show up a message of "Saving Data, Please Wait…". After finish saving and draw back to "System Setup" menu, the revising is complete.

5 Press [Exit] key to draw back from the "Parental Lock" menu.

9 Tools

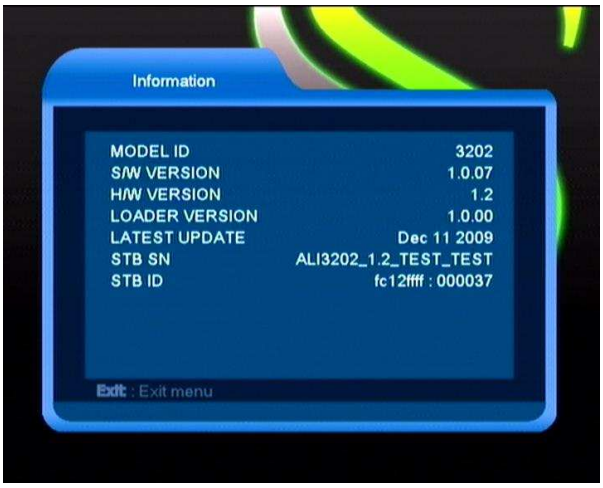
When you enter to “Tools” menu, you will see a screen like below:

In “Tools” menu:

1 Press [Channel Up/Channel Down] key to select menu items among Information, Factory Setting, Software Upgrade,Mailbox.

2 Press [OK] key to enter the selected item.

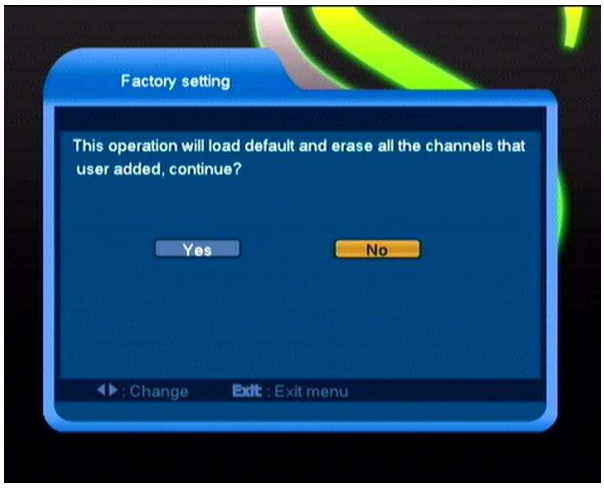
9.1 Information



1 When you enter to “Information” menu, you will see a screen like above. The screen displays software, loader and hardware information.

2 Press [Exit] key to draw back to “Tools” menu.

9.2 Factory Setting


Factory setting
This operation will load default and erase all the channels that user added, continue?
Yes
No
: Change
Exit : Exit menu

When you press [OK] key In the “Factory Setting” item:

1 There will pop a dialogue for you to enter the password, and the default password is “oooo”.

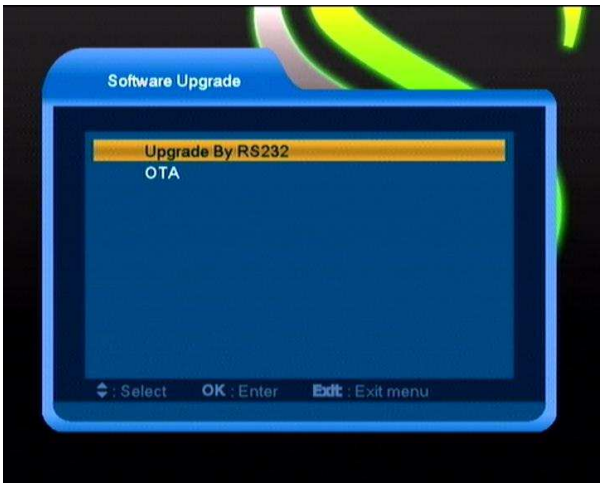
2 After you input the correct password, there will show a warning message to inquiry you “The operation will load default and erase all the channels that user added, continue?”.

3 If you select “OK” option, the all revised parameters of the receiver will reset to default value. Please carefully to using this function.

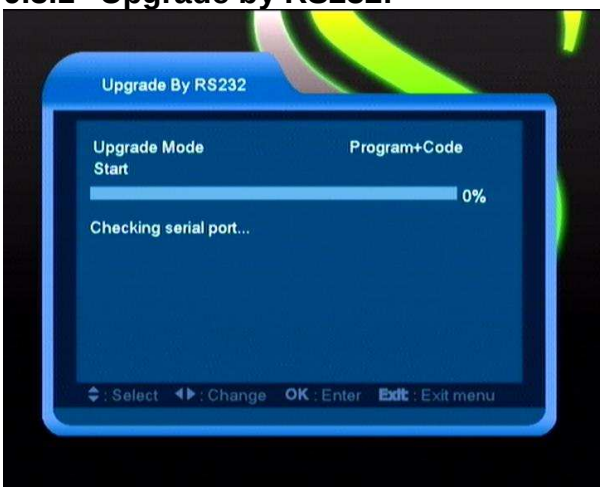
4 In step 1 and step 2, press[Exit]key can draw back from this item and without saving.

✧

9.3 Software Upgrade



9.3.1 Upgrade by RS232:



1 We offer the functions for user to connecting receiver (Master) to the other receiver (Slave) via serial interface.

2 Connect master receiver to slave receiver via serial interface. Enter “Software Upgrade” menu in master receiver and press[Volume Up/Volume Down]keys to switch upgrade mode.

Upgrade modes include: code / Program List / user back /video back / radioback / defaultdb / code + program list.

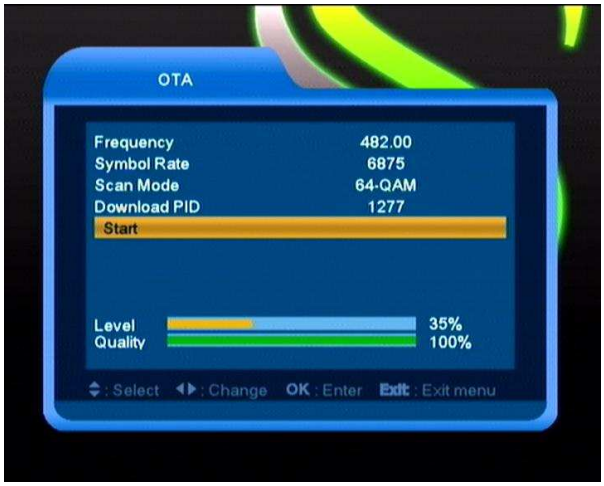
3 Moving highlight to “Start” on master reeciver and press[OK]key to start upgrade.

4 Turn on slave receiver and it needn’t operate any setting.

5 Press [Exit]key to draw back.

9.3.2 OTA

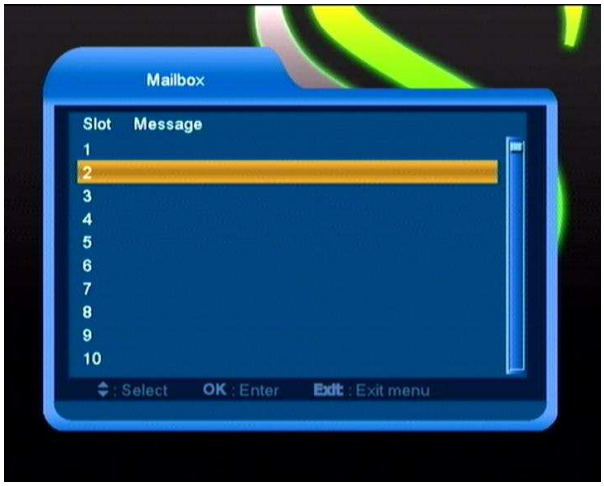
This function can upgrade the software through signal lines from the cable.



1 Input the frequency, symbol rate value and download PID, and select scan mode.

2 Then move the highlight to the start button and press [OK] key to begin to upgrade.

9.3.3 Mailbox



Some messages which come from the smart card will save to flash memory, and display in this menu.

Game

When you enter “Game” menu, you will see three Games include Tetris, Snake and Othello.

Basic operation statement:

9.4 Tetris

- ✧ Moving highlight to “Setup” and press [Volume Up/Volume Down] key to select the game level (speed).
- ✧ Moving highlight to “Start” and press [OK] key to start the game.
- ✧ Moving highlight to [Cancel]keys and press [OK]key to draw back from the game.
- ✧ Start on the game:
  - ➢ [Volume Up/Volume Down] Move shape left or right
  - ➢ “Channel Up” Rotate clockwise
  - ➢ “Channel Down” Faster drop
  - ➢ [OK] Pause/Play the game
  - ➢ [Exit] Quit game and draw back to “Game” menu.

9.5 Snake

- ✧ Moving highlight to “Setup” and press [Volume Up/Volume Down] key to select the game level (speed).
- ✧ Moving highlight to “Start” and press [OK] key to start the game.
- ✧ Moving highlight to[Cancel]keys and press [OK]key to draw back from the game.
- ✧ Start on the game:
  - ➢ [Volume Up/Volume Down/Channel UP/Channel Down] use these arrow keys to guide the snake.
  - ➢ [OK] Pause/Play game
  - ➢ [Exit] Quit game and draw back to “Game” menu.

9.6 Othello

- ✧ Moving highlight to “Setup” and press [Volume Up/Volume Down] keys to select the game level (degree of difficulty).
- ✧ Moving highlight to “Start” and press [OK] key to start the game.
- ✧ Moving highlight to [Cancel] keys and press [OK] key to draw back from the game.
- ✧ Start on the game:
  - ➢ [Volume Up/Volume Down/Channel UP/Channel Down] use these arrow keys to guide chessman.
  - ➢ [OK] set chessman.
  - ➢ [Exit] Quit game and draw back to “Game” menu.

✧

10 Trouble Shooting

If you suspect there is a fault with your receiver, please check the following trouble shooting guide before calling authorized service agent.

Warning! Under no circumstances attempt to repair the receiver yourself. Tampering with the receiver may result in fatal electric shock and will invalidate your warranty.

Symptom	**Possible cause**
Settings you made in the menu have not change	The receiver lost power before being able to enter into standby mode Some of the Settings saved by user can be deleted partly or fully
No signal	The level of signal is weak The cable is incorrectly Connected (short circuit or open circuit)
Receiver is on but no picture or sound except the following messages (NO TV program)	Channel is not available Channel is scramble
Receiver not responding to remote control unit	RCU batteries are dead or inserted incorrectly The RCU is pointing toward wrong direction
Poor picture Quality	The level of Signal strength is low
No sound	RCA cable is connected incorrectly The Volume level is low Muting function is active
No display on the LED Display Panel(optional)	The power cord is not plugged in correctly.
No picture on the screen	Receiver is in Standby mode RCA Jack is not connected firmly to the video output port of television Incorrect channel or video output is selected on television Brightness level of your TV set is incorrectly defined

11 Specifications

11.1 General

System standard	Fully MPEGII/DVB Compliant
Channel Storage	Max.4000 TV and Radio Channels
Frequency Range	47-862MHZ
Signal Level	-2dbmv to +20dbmv
Bandwidth	8MHz
Demodulation	QAM
Constellations	8,16,32,64,128,256
Input Symbol Rate	1.5~7 Ms/s

11.2 A/V Mode

Video format	MPEG-II Main profile/Main level
Audio format	MPEG-II layer I&II
Aspect Ratio	16:9, 4:3
Audio sampling rate	32,44.1, 48kHz
Audio Type	Mono Dual Mono, Stereo, Joint stereo
Graphic display	720x576(PAL), 720x480(NTSC)

11.3 Microprocessor & Memories

Processor	216 MIPS based CPU
SDRAM	16M Bytes
FLASH	2M Bytes

11.4 Power & Environment Condition

Supply Voltage	Free Voltage (100~250V AC, 50/60Hz)
Supply Power	Max.12W
Operating temp	5℃~45℃

11.5 Physical Specification

LED display	4Digits
Weight	1.0Kg
Dimensions	220(W) x 160(D) x 40(H)mm

11.6 Connection

RF input	F-type, Connector, Female
RF OUT	IEC type, Connector, Male
RS232	9 way D Rs232 DCE serial port
Scart	TV
Video	Composite Video I/O, RGB, CVBS, YUV
Audio	Audio left
	Audio right
Modulator	UHF CH 21-69 Adjustable (Optional)

Specifications subject to change without notice.